

AS-8410-010

IL-0309-08

Med - OK
P-8/31

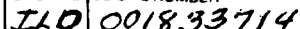
POTENTIAL HAZARDOUS WASTE SITE PRELIMINARY ASSESSMENT PART 1 - SITE INFORMATION AND ASSESSMENT		I. IDENTIFICATION 01 STATE 02 SITE NUMBER IL 001833714	
II. SITE NAME AND LOCATION			
01 SITE NAME (Legal, common, or descriptive name of site)		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER	
ALLIED CHEMICAL CORP, CALUMET WORKS		13360 CORONDOLET AVE	
03 CITY	04 STATE	05 ZIP CODE	06 COUNTY
CHICAGO	IL	60633	COOK
09 COORDINATES	07 COUNTY CODE	08 CONG DIST	
LATITUDE 41.4020.0	LONGITUDE 87.3311.0	031	9
10 DIRECTIONS TO SITE (Starting from nearest public road)			
SEE ATTACHMENTS ON THE BACK.			
III. RESPONSIBLE PARTIES			
01 OWNER (If known)		02 STREET (Business, mailing, residential)	
ALLIED CORP.		PO. BOX 1139R	
03 CITY	04 STATE	05 ZIP CODE	06 TELEPHONE NUMBER
MORRISTOWN	NJ	07960	201-455-5630
07 OPERATOR (If known and different from owner)		08 STREET (Business, mailing, residential)	
ALLIED CORP, CALUMET PLT.		13360 CORONDOLET AVE.	
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER
CHICAGO	IL	60633	312-933-8810
13 TYPE OF OWNERSHIP (Check one)			
<input checked="" type="checkbox"/> A. PRIVATE <input type="checkbox"/> B. FEDERAL: _____ (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER: _____ (Specify) <input type="checkbox"/> G. UNKNOWN			
14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)			
<input checked="" type="checkbox"/> A. RCRA 3001 DATE RECEIVED: 06/12/81 MONTH DAY YEAR <input checked="" type="checkbox"/> B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: 10/14/80 MONTH DAY YEAR <input type="checkbox"/> C. NONE			
IV. CHARACTERIZATION OF POTENTIAL HAZARD			
01 ON SITE INSPECTION		BY (Check all that apply)	
<input checked="" type="checkbox"/> YES DATE 10-08-74 MONTH DAY YEAR <input type="checkbox"/> NO 09-22-83		<input type="checkbox"/> A. EPA <input type="checkbox"/> B. EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER: _____ (Specify)	
02 SITE STATUS (Check one)		03 YEARS OF OPERATION	
<input checked="" type="checkbox"/> A. ACTIVE <input type="checkbox"/> B. INACTIVE <input type="checkbox"/> C. UNKNOWN		BEGINNING YEAR 1980 ENDING YEAR _____ <input type="checkbox"/> UNKNOWN	
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED			
1- INORGANICS (TOXIC/PERSISTANT) 4. CHEMICAL GEN (CORROSIVE) 2- HEAVY- METALS (TOXIC/PERSISTANT) 3- ACIDS (- CORROSIVE)			
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION			
1- GROUND WATER (POPH & ENVR) 2- SURFACE WATER (POPH & ENVR) 3- SOIL - (ENVR)			
V. PRIORITY ASSESSMENT			
01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste Information and Part 3 - Description of Hazardous Conditions and Incidents)			
<input type="checkbox"/> A. HIGH (Inspection required promptly) <input checked="" type="checkbox"/> B. MEDIUM (Inspection required) <input type="checkbox"/> C. LOW (Inspect on time available basis) <input type="checkbox"/> D. NONE (No further action needed, complete current disposition form)			
VI. INFORMATION AVAILABLE FROM			
01 CONTACT		02 OF (Agency/Organization)	
EDWARD SHIELDS		DIR. ENVR. SEU, ALLIED CHEM	
04 PERSON RESPONSIBLE FOR ASSESSMENT		06 AGENCY	07 TELEPHONE NUMBER
LARRY WINNER		IL-EPH	201-455-5630
		08 ORGANIZATION	09 DATE
		H.S.D.S	08.13.84
			MONTH DAY YEAR

EPA FORM 2070-12 (7-81)

EPA Region 5 Records Ctr.



288535



I HIGHLY VOLATILE
J EXPLOSIVE
K REACTIVE
L INCOMPATIBLE
M NOT APPLICABLE



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL0001833714

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 ☐ A. GROUNDWATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☐ OBSERVED (DATE 10-14-80)

04 NARRATIVE DESCRIPTION

POTENTIAL

☒ ALLEGED

HAZARDOUS WASTES. IN OLD LANDFILL AND LAGOON. WHICH
COULD HAVE MIGRATED

01 ☐ B. SURFACE WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: 0

02 ☐ OBSERVED (DATE 10-14-80)

04 NARRATIVE DESCRIPTION

POTENTIAL

☒ ALLEGED

CHEMICAL SPILLS ON AND AROUND THE PROPERTY.
DISCHARGES AT 1 AND 2 OUTFALL IN THE CALUMET RIVER

01 ☐ C. CONTAMINATION OF AIR

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

POTENTIAL

☐ ALLEGED

01 ☐ D. FIRE/EXPLOSIVE CONDITIONS

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ E. DIRECT CONTACT

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ F. CONTAMINATION OF SOIL

03 AREA POTENTIALLY AFFECTED: 3 (Acres)

02 ☐ OBSERVED (DATE 10-14-80)

04 NARRATIVE DESCRIPTION

POTENTIAL

☒ ALLEGED

HAZARDOUS WASTE IN OLD LANDFILL AND LAGOON.
CHEMICAL SPILLS ON AND AROUND PROPERTY

01 ☐ G. DRINKING WATER CONTAMINATION

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ H. WORKER EXPOSURE/INJURY

03 WORKERS POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED

01 ☐ I. POPULATION EXPOSURE/INJURY

03 POPULATION POTENTIALLY AFFECTED: _____

02 ☐ OBSERVED (DATE _____)

04 NARRATIVE DESCRIPTION

☐ POTENTIAL

☐ ALLEGED



POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

IL 001833714

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☐ J. DAMAGE TO FLORA
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ K. DAMAGE TO FAUNA
04 NARRATIVE DESCRIPTION (include name(s) of species)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ L. CONTAMINATION OF FOOD CHAIN
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ M. UNSTABLE CONTAINMENT OF WASTES
(Spills, runoff, standing liquids, leaking drums)

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

03 POPULATION POTENTIALLY AFFECTED _____

04 NARRATIVE DESCRIPTION

01 ☐ N. DAMAGE TO OFFSITE PROPERTY
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE: _____)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____

IV. COMMENTS

V. SOURCES OF INFORMATION (Cite specific references, e. g., state files, sample analysis, reports)

IEPA = LAND & WATER FILES

EXECUTIVE SUMMARY

Allied Chemical Corp-Calumet Works, ILD001833714 - sold effective October 13, 1981, to P.V.S. a subsidiary of Pressure Vessel Services Inc.

This site produces sulfuric acid, ammonium thiosulfate and aluminum chloride.

In the past it has produced nitric acid, hydrochloric acid, zinc chloride, sodium silicate and chromium tanning compound.

There are old landfills (400' x 40'; 110' x 60'; and 600' x 80') and one inactive storage lagoon (200' x 100') (See Map on the Back) in which at various times hazardous wastes were disposed. These facilities have all been closed. This plant has been operated for many years and ground areas may be contaminated with spilled products and raw materials.

The plant property comprises an area of about 90+ acres lying on the east side of the Calumet River and just north of Wolf Creek.

At the present sludge settled out in the pretreatment plant is disposed of by truck to authorized landfill.

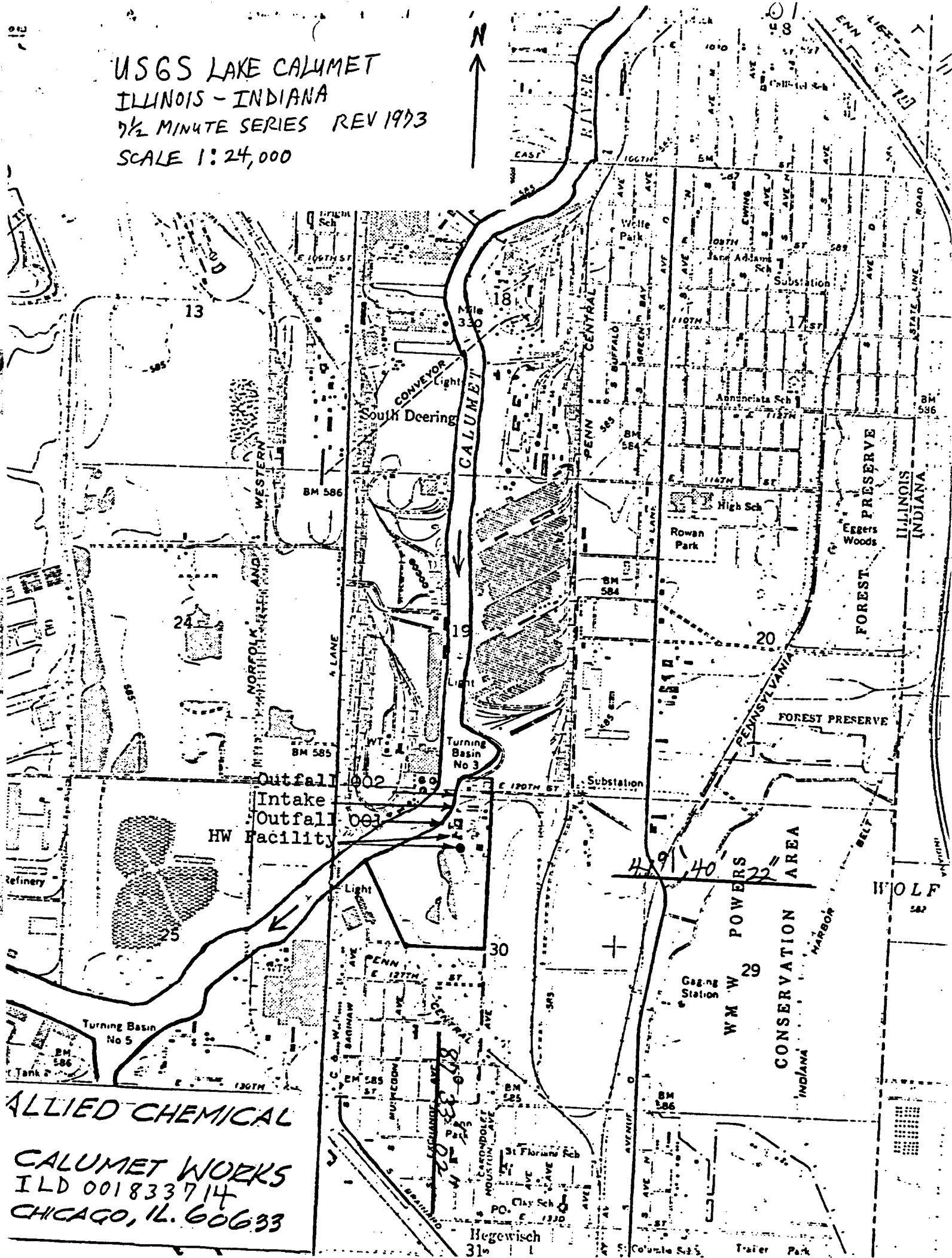
Process wastes, comprising primarily spills and plant area washdown, are pumped to a pretreatment system. This mixture of various process wastes is chemically treated to neutralize and precipitate the inorganic constituents. After the chemical addition this waste effluent is settled in a large plastic sheet lined earthen holding basin. Superatant overflows to M.S.D. of Greater Chicago along with the plants sanitary sewage.

Over the years there have been countless reports of spills of acids, and other chemicals in the two (2) outfalls which discharged in the Calumet River.

1. I recommend that the F.I.T. contractor take soil samples in and around the old landfills and lagoon sites. If necessary, install monitoring wells to check for leakage and migration of hazardous wastes from the plant property.
2. I also recommend that the F.I.T. contractor take water and soil samples in and around #1 and #2 outfalls that discharge in the Calumet River.

LW:mkb:S/93

USGS LAKE CALUMET
ILLINOIS - INDIANA
1/2 MINUTE SERIES REV 1973
SCALE 1:24,000



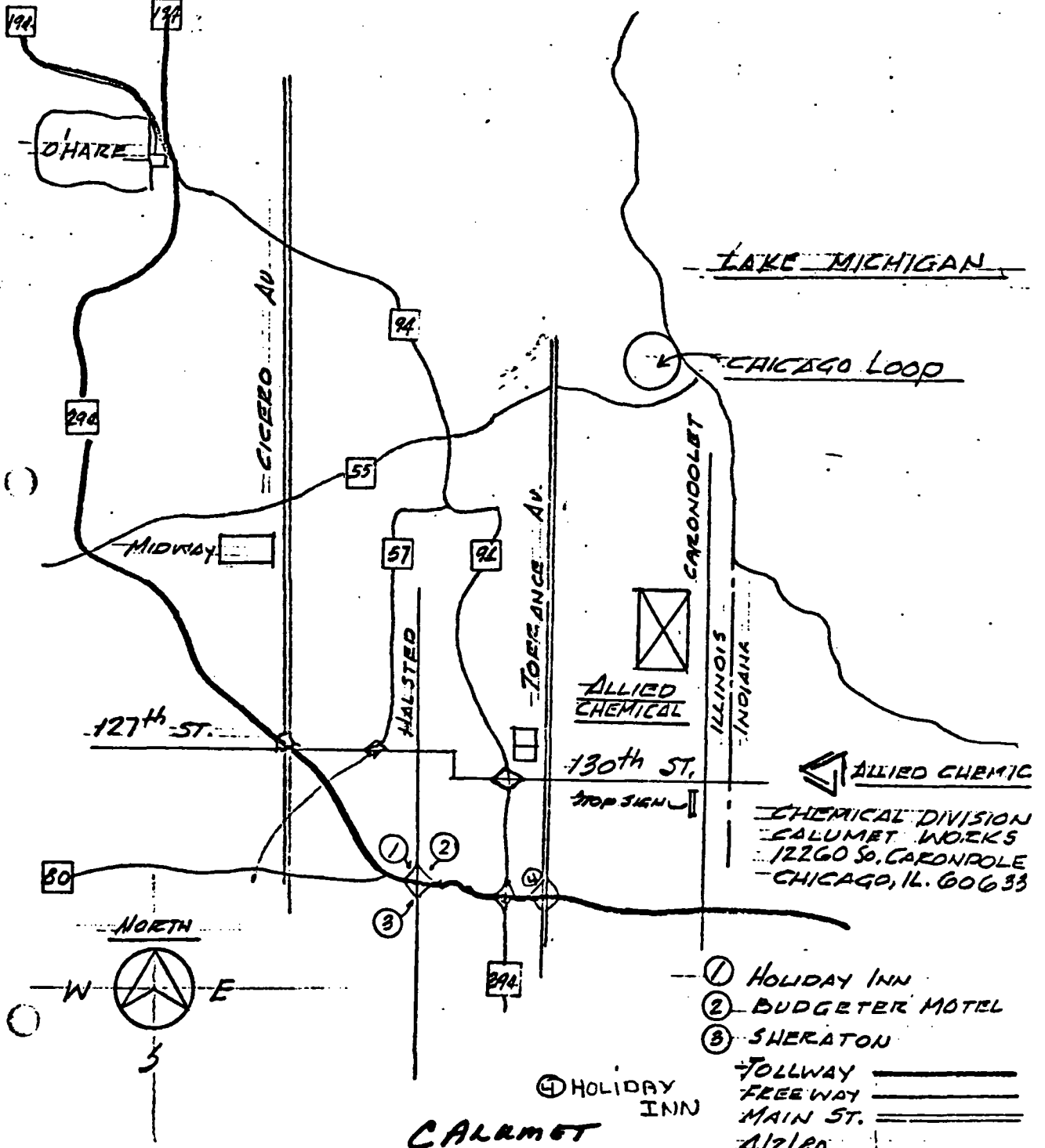
CALUMET WORKS

FROM O'HARE

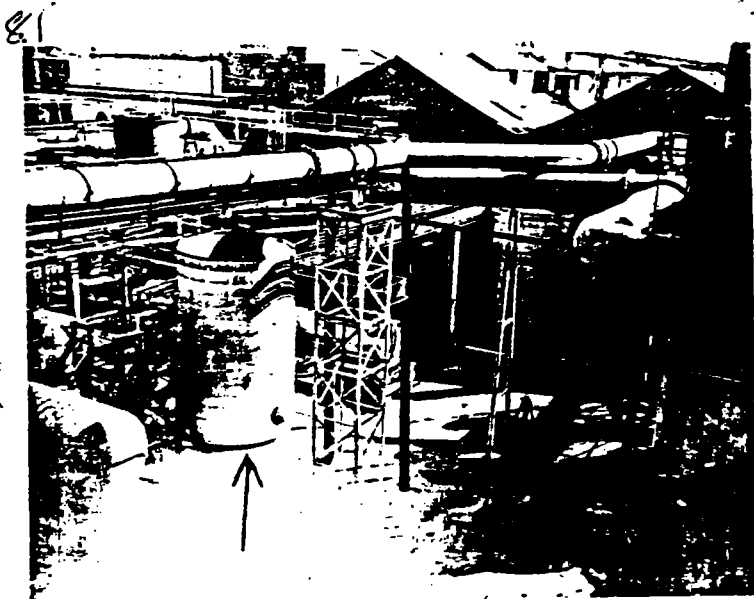
TAKE 294 EAST (INDIANA) TO 94 TAKE 94 WEST (CHICAGO) TO 130th EXIT EAST ON 130th. PROCEED TO CARONDOLET AV. TURN LEFT (NORTH) ON CARONDOLET.

FROM MIDWAY

TAKE CICERO AV. (SOUTH) TO 294 THEN PROCEED AS ABOVE.



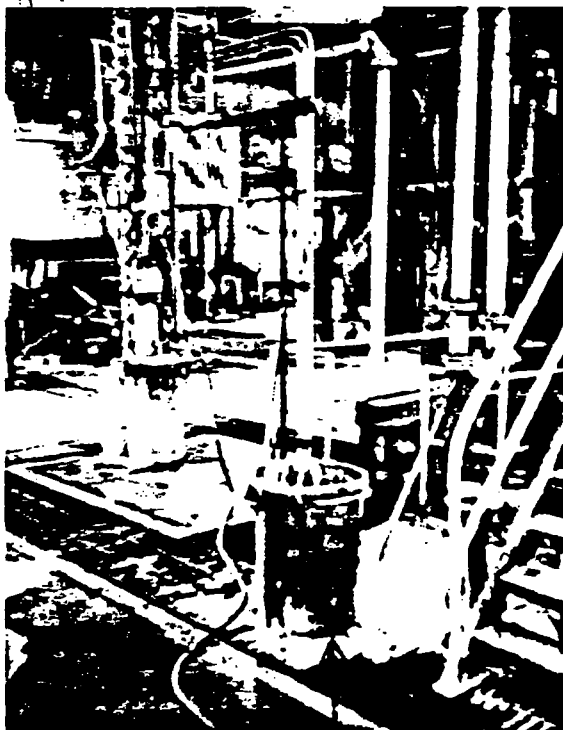
9/17/80



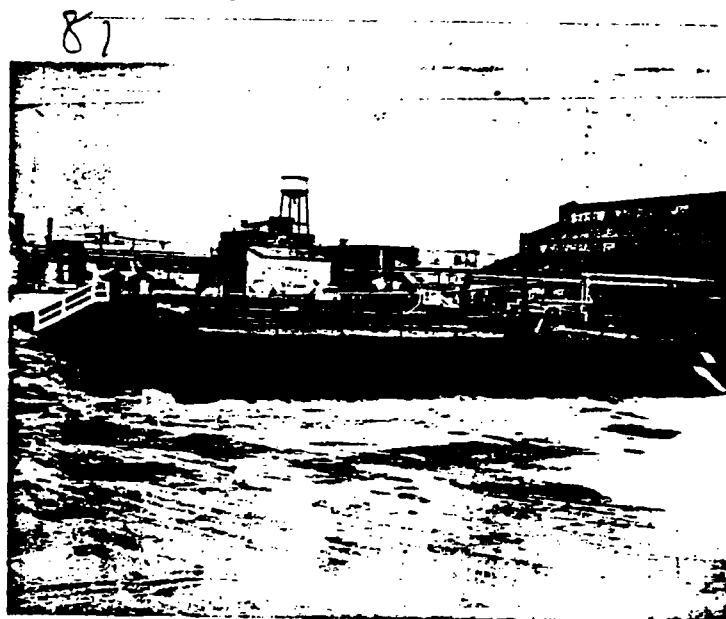
CORROSIVE WASTE STORAGE TANKS



CORROSIVE WASTEWATER
NEUTRALIZATION TANKS

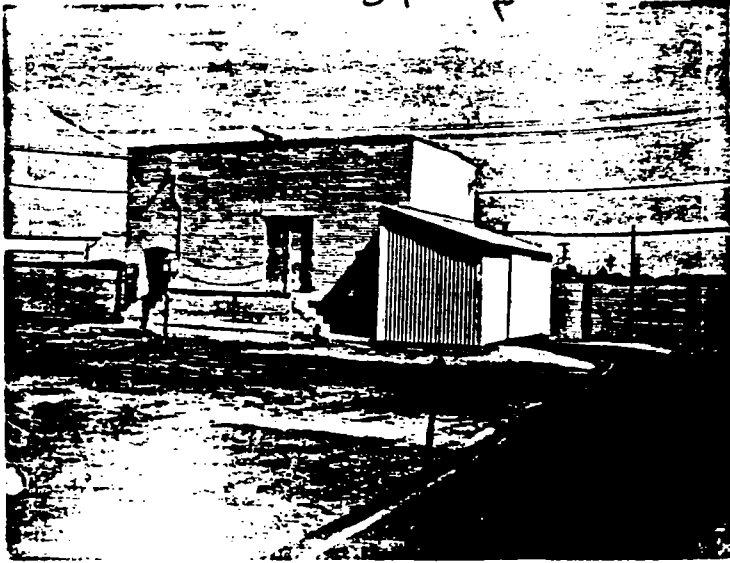


SULFURIC ACID FILTER CARTRIDGE
NEUTRALIZATION SYSTEM



CORROSIVE WASTEWATER STORAGE
IMPOUNDMENTS

Allied Chemical Corp.
Calumet, Illinois
ILD 001833714
9/17/80



IGNITABLE WASTE DRUM STORAGE

FORM 1, X:

ENVIRONMENTALLY RELATED PERMITS

1. IEPA Operating Permits:

Permit Number	Process
Ø316ØØALC AC-OP-77	Aluminum Chloride Plant
Ø316ØØALC AC-OP-77	Sodium and Ammonium Salts Plant
Ø316ØØALC KRNEIMINC	Koreon Manufacturing Facility
Ø316ØØALC Acid Plant	Sulfuric Acid Plant and SO ₃ Recovery Plant
Ø316ØØALC Vogt Boiler	Vogt Boiler

2. IEPA Special Waste Permits:

Permit Number	Special Waste
8ØØ829	sodium sulfate, bisulfite and sulfite solution
8Ø1321	mixed trivalent chrome sulfate/lime/dirt
781482	iron bydroxide
8Ø1327	mixed sulfuric acid/soda ash/dirt
791883	hypo filter sludge
791814	chromium sulfate solution residue
782568	sodium bisulfite liquor
792851	aluminum chloride residue

3. City of Chicago Operating Permit - #28



GB CODE, 3887A

PVS CHEMICALS, INC. (ILLINOIS)

SUBSIDIARY OF PRESSURE VESSEL SERVICE, INC.
12260 South Carondelet Avenue • Chicago, Illinois 60633
Phone 312-933-8800

ADVIS - NADIS FILE
Y-C - DUB P.C.
X-C - DUB P.C.
DA, ne

Handwritten signatures and initials, including "Allied" and "TTPDS".

*Dictate
12/7/81*

November 5, 1981

Illinois Environmental Protection Agency
2200 Churchill Road
Springfield IL 62706

RECEIVED IN THE
OFFICE OF THE DIRECTOR

NOV 8 1981

3

Attention: Mr. Richard Carlson - Director

Dear Mr. Carlson:

Effective October 13, 1981, PVS Chemicals, Inc. (Illinois), a wholly-owned subsidiary of Pressure Vessel Services, Inc. of Detroit, Michigan, became the owner, operator of the former Allied Chemical Corporation, Calumet Works, 12260 Carondelet Avenue, Chicago, Illinois 60633 plant.

IL 0002640

Pursuant to this we are writing to ask that on all environmental permits in force (or pending) for this location, the name of PVS Chemicals, Inc. (Illinois) be substituted for that of Allied Chemical Corporation.

Very truly yours,

PVS CHEMICALS, INC. (ILLINOIS)

R.D. Herzberger
R. D. Herzberger
Plant Manager

PRESSURE VESSEL SERVICES, INC.
(Detroit, Michigan)

Allen A. Schunk
Vice-President

er

RECEIVED

DEC 4 1981

Environmental Protection Agency
Office of Water Pollution Control
Springfield
State of Illinois



PVS CHEMICALS, INC. (ILLINOIS)

GB 3887A

SUBSIDIARY OF PRESSURE VESSEL SERVICE, INC.
12260 South Carondelet Avenue • Chicago, Illinois 60633
Phone 312-933-8800

January 19, 1982

Illinois Environmental Protection Agency
Division - Water Pollution Control
2200 Churchill Road
Springfield IL 62706

Attention: NPDES Unit (DMR)

Subject: Discharge Monitoring Report - July 11, 1981 thru
December 31, 1981 - NPDES Permit #IL0002640

Gentlemen:

Attached are our Discharge Monitoring Report forms to satisfy the new six (6) month requirements, for the reporting period July 11, 1981 thru December 31, 1981.

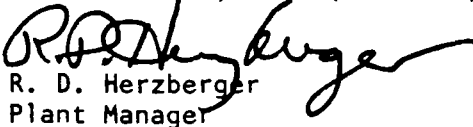
As you will note, reports thru October 12, 1981 are submitted under Allied Chemical Corporation, and beginning October 13, 1981 through December 31, 1981, in the name of PVS Chemicals, Inc. (Illinois).

I certify under penalty of law that I have personally examined and am familiar with the information submitted in the attached document; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Please call me if there are any questions regarding the report.

Very truly yours,

PVS CHEMICALS, INC. (ILLINOIS)


R. D. Herzberger
Plant Manager

RDH:er
Att.